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Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

## Complete if Known

Application Number 10/040,964  
Filing Date January 4, 2002  
First Named Inventor John MANFREDI  
Group Art Unit 1623 / 634  
Examiner Name D. LAMBERTSON  
Attorney Docket Number 1418.04

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## U.S. PATENT DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	U.S. Patent Documents		Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, columns, lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
DL	A1	10/040,910		Manfredi	01-04-2002	
DL	A2	10/040,967		Manfredi	01-04-2002	
DL	A3	10/040,969		Manfredi	01-04-2002	
DL	A4	6,057,091		Beachy et al.	05-02-2000	
DL	A5	5,981,182		Jacobs, Jr. et al.	11-09-1999	
DL	A6	5,834,247		Comb et al.	11-10-1998	

do not print.

## OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, volume-issue number(s), page(s), publisher, city and/or country where published.	T <sup>2</sup>
DL	B1	CHONG, Shaorong, et al., "Protein Splicing Involving the <i>Saccharomyces cerevisiae</i> VMA Intein", <i>The Journal of Biological Chemistry</i> , September 6, 1996; 271(36):22159-22168	
DL	B2	WU, Hong, et al., "Protein <i>trans</i> -splicing and functional mini-inteins of a cyanobacterial <i>dnaB</i> intein", <i>Biochimica et Biophysica Acta</i> , 1998; 1387:422-432	
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DL	B5	WU, Hong, et al., "Protein <i>trans</i> -splicing by a split intein encoded in a split DnaE gene of <i>Synechocystis</i> sp. PCC6803", <i>Proc. Natl. Acad. Sci. USA</i> , August 1998; 95:9226-9231	
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DL	B7	XU, Rong, et al., "Chemical ligation of folded recombinant proteins: Segmental isotopic labeling of domains for NMR studies", <i>Proc. Natl. Acad. Sci. USA</i> , January 1999; 96:388-393	
DL	B8	EVANS, Thomas C., Jr., et al., "The <i>in Vitro</i> Ligation of Bacterially Expressed Proteins Using an Intein from <i>Methanobacterium thermoautotrophicum</i> ", <i>The Journal of Biological Chemistry</i> , February 12, 1999; 274(7):3923-3926	
DL	B9	AMITAI, Gil, et al., "Fine-tuning an engineered intein", <i>Nature Biotechnology</i> , September 1999; 17:854-855	
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DL	B11	OZAWA, Takeaki, et al., "A Fluorescent Indicator for Detecting Protein-Protein Interactions in Vivo Based on Protein Splicing", <i>Analytical Chemistry</i> , November 1, 2000; 72(21):5151-5157	

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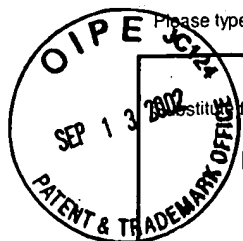
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<i>DL</i>	B12	OZAWA, Takeshi, et al., "Split Luciferase as an Optical Probe for Detecting Protein-Protein Interactions in Mammalian Cells Based on Protein Splicing", <i>Analytical Chemistry</i> , June 1, 2001; 73(11):2516-2521	
Examiner Signature	<i>David Lamberton</i>	Date Considered	10/15/03

Intellectual Property\Patent Prosecution\1400-1499\1418\1418.04\1418.04 2002-06-24 IDS MM.doc



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Institution for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)			<b>Complete if Known</b>		
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				Filing Date	January 4, 2002
				First Named Inventor	John MANFREDI
				Group Art Unit	1827-1636
				Examiner Name	D. LAMBERTSON
				Attorney Docket Number	1418.04

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		Number	Kind Code <sup>2</sup> (if known)			
DL	A7	5,885,779		Sadowski et al.	03-23-1999	
DL	A8	5,695,941		Brent et al.	12-09-1997	
DL	AP	5,637,463		Dalton et al.	06-10-1997	

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OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS			
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DL	B13	REMY, Ingrid, et al., "Clonal Selection and <i>In Vivo</i> Quantitation of Protein Interactions with Protein-Fragment Completion Assays", <i>Proc. Natl. Acad. Sci.</i> , May 1999; 96:5394-5399	
DL	B14	KARIMOVA, Gouzel, et al., "A Bacterial Two-Hybrid Based on a Reconstituted Signal Transduction Pathway", <i>Proc. Natl. Acad. Sci.</i> , May 1998; 95:5752-5756	

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Examiner Signature	David Lambertson	Date Considered	10/16/02
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